

Bring Your Green to Work with ENERGY STAR®

How to save energy and fight climate change —all without leaving your workplace!







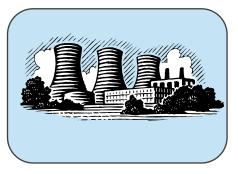
Energy and the Environment



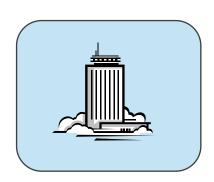
The Link Between Energy Use & Greenhouse Gas Emissions



- Every building uses energy, which is most often generated by the burning of fossil fuels.
- Burning fossil fuels, such as coal, releases greenhouse gas emissions into the atmosphere which contribute to climate change.



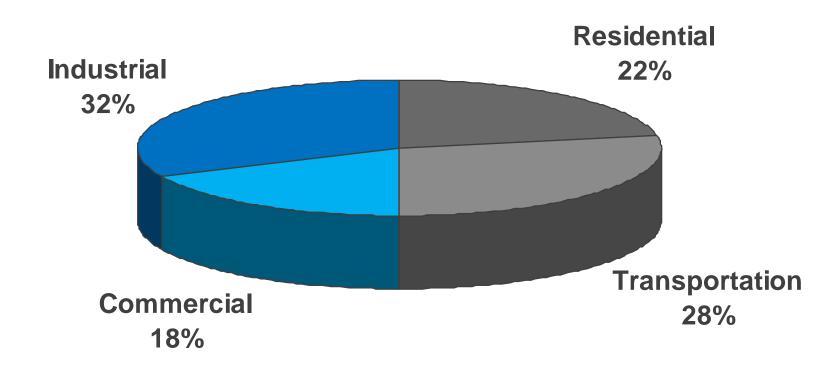






The Big Picture: Energy Use in the United States



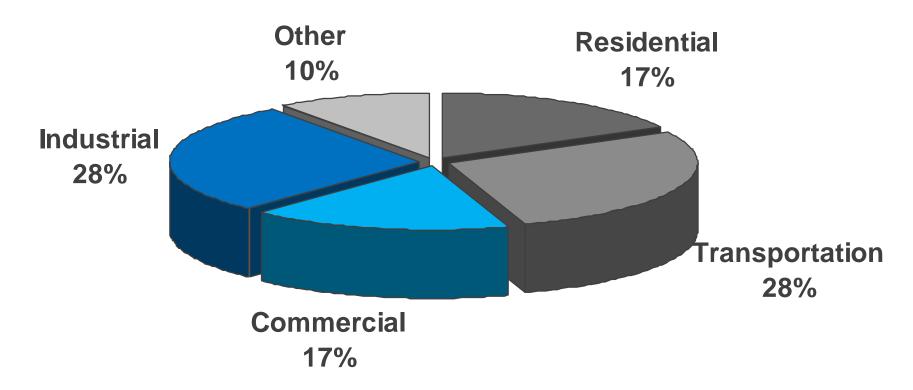


The buildings where we work, play, and learn are responsible for nearly 50% of our country's energy use at a cost of over \$200 billion a year.



The Big Picture: Greenhouse Gas Emissions in the United States





Commercial buildings and industrial facilities are responsible for 45% of U.S. greenhouse gas emissions.

Inventory of U.S. Greenhouse Gas and Sinks: 1990-2005, US EPA



Did You Know?



The energy used by a building to support just one office worker for a day causes more than twice as many greenhouse gas emissions as that worker's drive to and from work?



Opportunities for Energy Efficiency



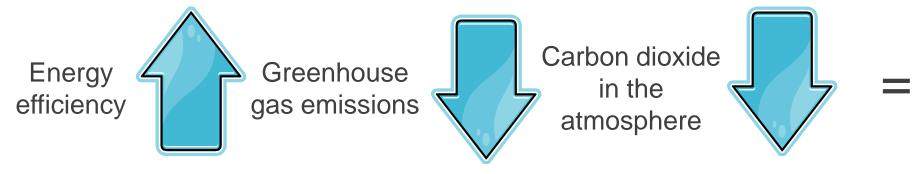
- The average building wastes 30% of the energy it consumes because of inefficiencies.
- If the energy efficiency of U.S. commercial and industrial buildings improved by 10%:
 - Savings of \$20 billion.
 - Reductions in greenhouse gas emissions equal to about 30 million vehicles.

... a year



EPA's ENERGY STAR Program:An Effective Solution





Progress in the fight against global warming

- Since 1992—good for the environment; good for the bottom line.
- More than 60 different categories of ENERGY STAR qualified products.
- Tens of thousands of ENERGY STAR labeled buildings.
- More than 1 million ENERGY STAR qualified homes.



ENERGY STAR and the BuildingsWhere We Work, Play and Learn



- Buildings that perform in the top 25% of energy efficiency nationwide compared to their peers may be eligible for the ENERGY STAR.
- ENERGY STAR labeled buildings:
 - Use 35% less energy.
 - Generate 35% fewer greenhouse gas emissions.
 - Cost 50 cents less per square foot to operate (office buildings).
- Look for the ENERGY STAR next time you go to the grocery store or choose a hotel for your next vacation! (See energystar.gov/buildinglist.)



Helping Organizations Improve Energy Efficiency



- EPA has challenged organizations to improve the energy performance of their buildings by 10% or more.
- Thousands of organizations are working toward this goal—and beyond.
- We are taking steps in our organization to save energy and educate our employees!



What We're Doing to Save Energy



- As part of the Energy Efficiency & Conservation
 Strategy/Energy Efficiency & Conservation Block Grant
 (EECBG) sponsored by the Department of Energy, Lake
 County is/will be:
 - Measuring and tracking energy use in buildings.
 - Developing a plan to improve energy performance.
 - Making energy efficiency upgrades.
 - Spread the word about energy efficiency to others.



You Can Help!



- Like everything we do here at Lake
 County, energy efficiency is a team effort.
- Small changes make a big impact.
- By working together, we can save energy and help fight climate change.







What You Can Do to Help Save Energy



Bring Your Green to Work



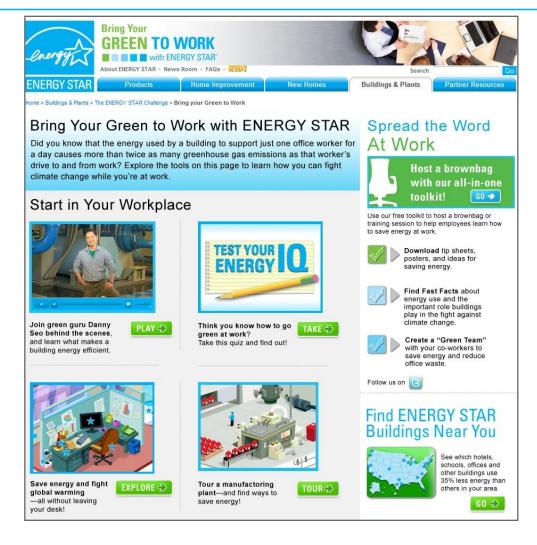
- www.energystar.gov/work
- EPA can help you make many of the same green choices at work as you make at home.





Bring Your Green to Work Resources





Building tour video

Animated workplace tools

Tip card and posters

Green team checklist

Energy quiz

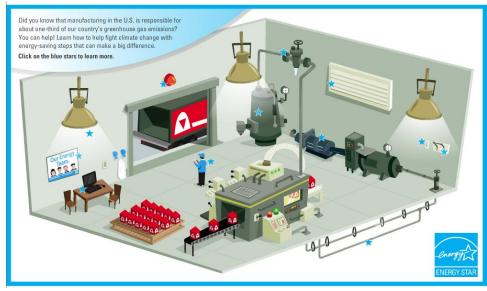
Fast facts

...and more!

Explore Energy-Efficient Workplaces



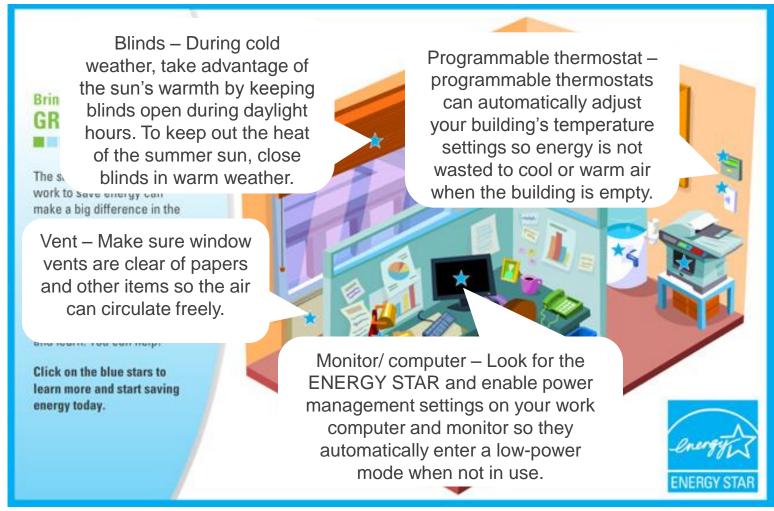




From an office cubicle to a manufacturing plant, these interactive workplace tools show the steps we can all take to do our part and save energy!

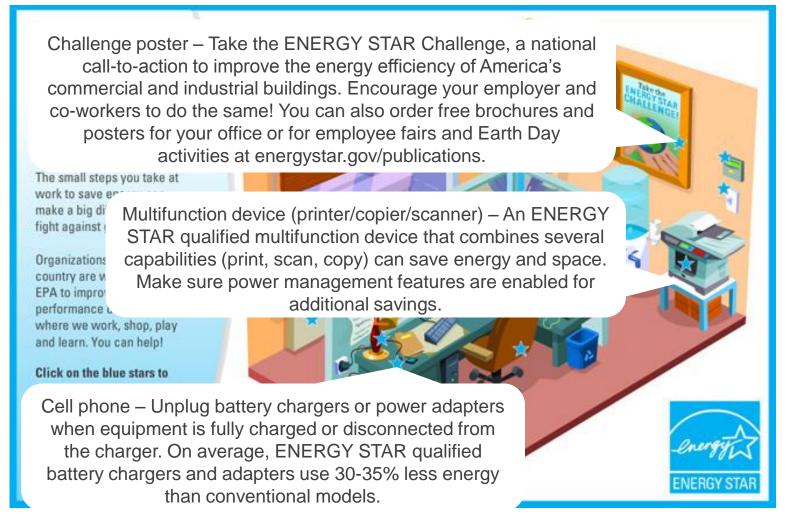






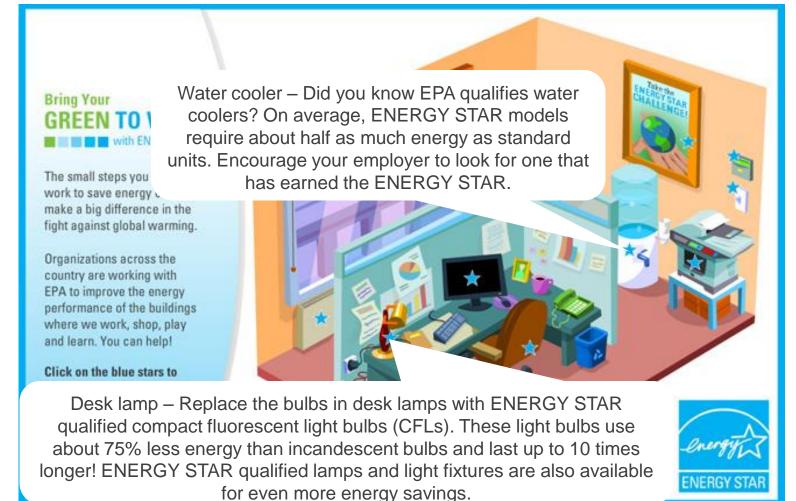






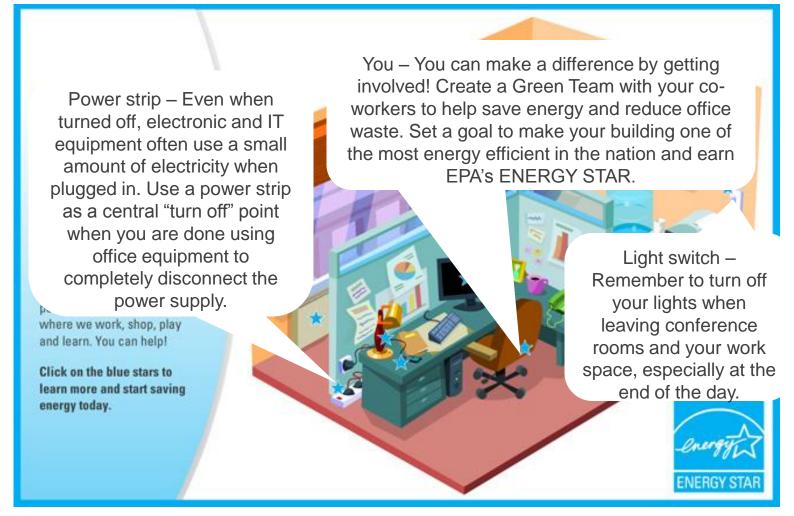








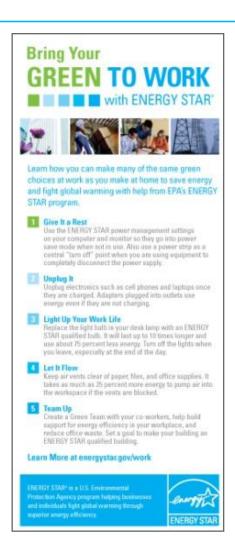






Tips for Saving Energy at Work





- Use the ENERGY STAR power management settings on your computer and a power strip as a central "turn off" point.
- Unplug electronics once they are charged.
- Replace the light bulb in your desk lamp with an ENERGY STAR qualified bulb, and turn off lights when you leave.
- Keep air vents clear of paper, files, and office supplies.
- Create a Green Team with your coworkers.



Tips for Saving Energy at Home





- 1 Change a Light
 Replace your fine most frequently used light fixtures or
 the bulbs in them with ENERBY STAR qualified lights, and
 save more than \$55 a year in energy costs, ENERBY STAR
 qualified bulbs use 75 percent less energy and last up to 10
 times longer than incandescent bulbs.
- The average household spends nearly \$2,000 a year on energy bills—nearly half on heating and cooling. A programmable thermostat, set and used properly, can save about \$180 each year.
- Choose Energy Efficiency
 Look for the ENERGY STAR when buying home appliances,
 electronics, and heating and cooling systems. Askyour
 local utility company if you qualify for rebates or incentives.
- Seal the Deal
 Improve energy efficiency and comfort by finding
 and sealing air leaks to the outside. You or a licensed
 contractor can follow ENERGY STAR home sealing
 recommendations.
- Change the World, Start with ENERGY STAR Take the ENERGY STAR pledge and learn how small steps can make a big difference in protecting our environment and saving energy.

Learn More at energystar.gov/changetheworld

For more information www.energystar.gov or call 1.888.STARYES (1.888.782.7937).



Office of Air and Radiation (6202J) EPA 430-F-08-017 August 2008

- Recycled/Recyclable - Printed with Vegetable Oil Based Inlis on Recycled Paper (Minimum 50% Post-consumer Content)

- Replace your five most frequently used light fixtures or the bulbs in them with ENERGY STAR qualified lights.
- Use a programmable thermostat.
- Look for the ENERGY STAR when buying home appliances, electronics, and heating and cooling systems.
- Find and seal air leaks to the outside.
- Take the ENERGY STAR pledge.



Lake County Green Team





ENERGY STAR* Green Team Checklist

One person cannot do it all! So when it comes to making your workplace greener and more energy efficient, nothing beats a team. The Environmental Protection Agency (EPA) has learned from ENERGY STAR partners that forming a green team with coworkers is a great way to help increase energy efficiency and reduce office waste.

Consider the following checklist of creative ideas from EPA to help your green team get started. Once you've formed yourteam, start by planting the seeds for success with small changes in individual workspaces. Then move through the list and help success bloom with bigger changes that can affect the whole organization. Together, these actions can help your green team build a better world!

STEP 1: GET ORGANIZED

- Start Off Right Meet with management to get approval and buy-in for the idea of forming a green team. Not only does support from management add legitimacy to your team, some of the measures needed to "green" your workplace might require an investment of time, money, or both by your organization.
- Recruit from A.Z.—Encourage coworkers from different levels and parts of your organization.—from senior management and interns to facility managers and human resources personnel.—to get timolved. A team approach improves buy-in from all levels of the organization, which helps to ensure greater support and success.
- Kick It OH Organize a kickoff meeting to develop a plan of action the suggestions below are a great place to start. Another great resource is EPA's Tearming Up to Save Energy guide, which provides step by step instructions for forming an energy team many of which apply to green teams too as well as real-world examples from other businesses and organizations committed to saving energy, saving money, and fighting global warming.

STEP 2: PLANT THE SEEDS OF SUCCESS

- Spread the Word—Order copies of the Bring Your Green to Work with ENERGY STAR* tip card and share them with your coworkers, display the Bring Your Green to Work with ENERGY STAR poster in break rooms or other common areas, and share the link to the ENERGY STAR ## work Web size fenergystar good/work).
- Give It a Rest Use the ENERGY STAR power management settings on computers and monitors so they go into power save mode when not in use. Also use a power strip as a central "turn off" point when you are using equipment to completely disconnect the name and
- Unplug It Unplug electronics such as cell phones and laptops once they are charged. Adapters plugged into outlets use energy
 even if they are not charging.
- Light Up Your Worklife Encourage your coworkers to replace the incandescent light bulb in their desk lamp with an ENERGY STAR qualified bulb. It will last up to 10 times longer and use about 75 percent less energy. Turn off the lights when you and your coworkers leave, especially at the end of the day.
- Let It Flow Keep air vents clear of paper, files, and office supplies so air can circulate freely. It takes as much as 25 percent more energy to pump air into the workspace if the vents are blocked.

ENERGY STAR* is a U.S. Environmental Protection Agency program helping businesses and individuals fight global warming through superior energy efficiency.



- What is a Green Team?
 - A group of people from across the organization who want to create a greener workplace.
- Why a Green Team?
 - A team approach helps build momentum for positive change and improves buy-in from all levels of the organization.
 - Empowers staff to address energy efficiency issues directly.







Other Steps You Can Take to Save Energy



Change the World, Start with ENERGY STAR

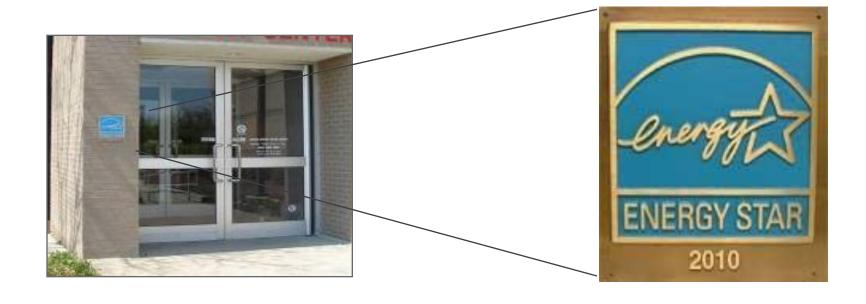


Take the ENERGY STAR pledge.
I will do my part to save energy and help fight global warming. I pledge to:
Change a Light (Want to do more? See below!)
Replace at least one light in my home with an ENERGY STAR qualified one. 2
I plan to replace lights (max. 50)
Do Even More
Make my home heating and cooling system work better. I will:
Set or program my thermostat to save energy while I'm asleep or away from home
Have my heating and cooling equipment tuned-up by a professional and change my air filter
Seal obvious leaks and repair disconnections in my home's duct system
Make sure my home is well sealed and insulated. I will:
Seal my home's envelope (outer walls, ceiling, windows, doors, and floors) with caulk, spray foam, or weather stripping, and add insulation to the attic
Choose ENERGY STAR qualified equipment for my home office. I plan to purchase a(n): ?



Look for the ENERGY STAR

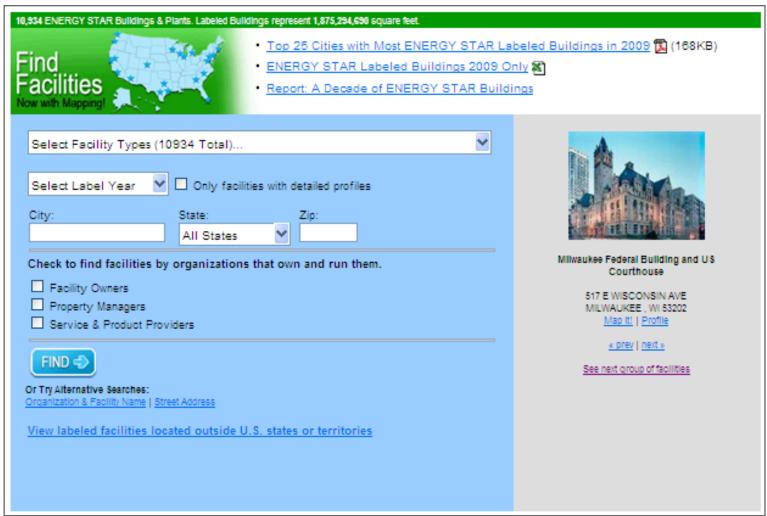






Find ENERGY STAR Labeled Buildings in Your Area

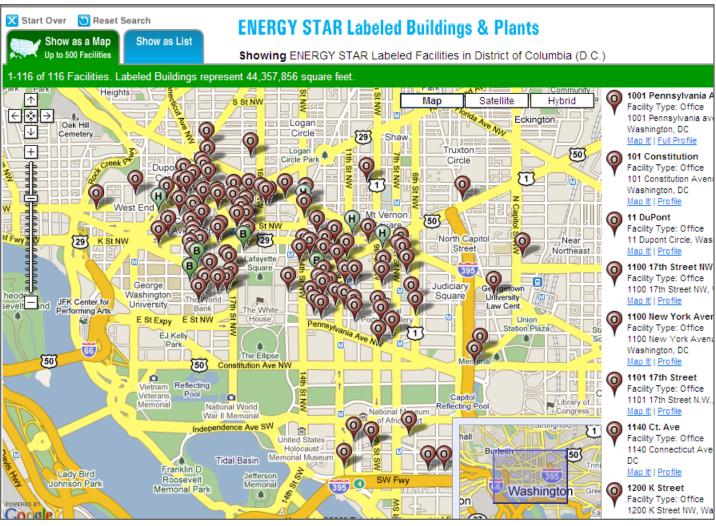






Find ENERGY STAR Labeled Buildings in Your Area







Kids Can Help, Too



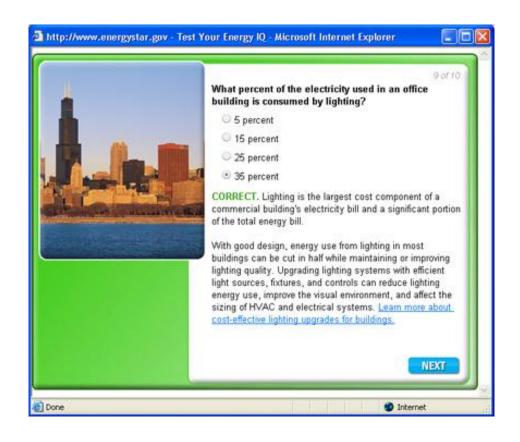
- Visit the ENERGY STAR Kids' Site
 - www.energystar.gov/kids
- Join Dr. Seuss' the Lorax to learn fun ways kids can save energy and help protect the environment.
- Interactive games, puzzles, quizzes, brainteasers, and stories.





Test Your Energy IQ











For more information, please contact:

EPA's ENERGY STAR program 1.888.STAR.YES

